

Abstract of the Disclosure

BURNER FOR A GAS TURBINE ENGINE

To meet emissions standards, many gas turbine engines use some form of lean, pre-mixed combustion systems. These systems may lead to combustion oscillations or other instabilities. Jet combustion techniques provide a stable alternative lean, pre-mixed combustion system. The present invention presents a jet combustion system that includes a first cylinder having a first array of orifices. A second cylinder is positioned coaxially with the first cylinder. The second cylinder has a second array of orifices offset from the first array of orifices.